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MANY TIMES THERMAL TRANSFER RECORDING MEDIUM TO BE USED

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Abstract:

PROBLEM TO BE SOLVED: To achieve uniformly high printing density and high printing quantity even in the use in many times by furnishing a transfer control layer consisting of a film forming resin component having a nonheat-softening property or a high softening point, a releasing resin component, and a nonheat soluble fine particles on the upper surface of a heat melt ink layer.

SOLUTION: As a film forming resin component, resin is used which has a nonheat-softening property and a high softening point, concretely, one kind or a plurality of vinyl chloride-vinyl acetate resin, vinyl chloride resin, or the like having a softening point of at least 130°C. Also, for the film forming resin component, one kind or a multiplicity of releasing resin components such as silicone resin, silicone modified resin, and fluorocarbon resin are used for the purpose of having a releasing effect relative to heat melt ink and image receiving paper. In addition, for the nonheat melt fine particles, fine particles which do not soften and decompose by factors of heat, pressure or the like are used, and one kind or more of silicone fine particles, fluorocarbon fine particles, and the like are mixedly used.

Int'l Class: B41M00540 B41M00530

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